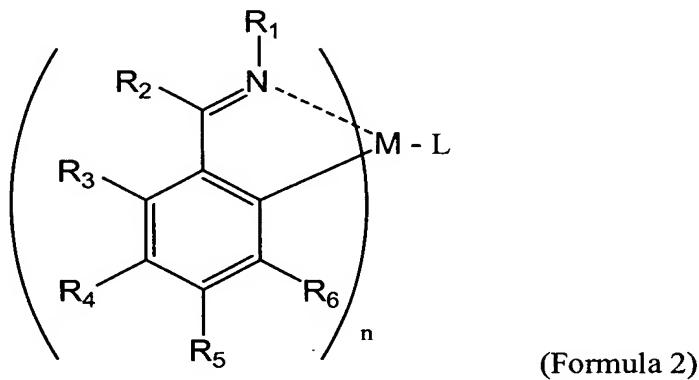


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An organometallic complex represented by the following general formula 2,



wherein R₁ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group,

wherein R₂ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

wherein each of R₃, R₄, R₅, and R₆ ~~may be~~ is identical with each other or different from each other and is hydrogen, halogen, an alkyl group, an alkoxy group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

wherein M is an element of Group 9 or an element of Group 10,

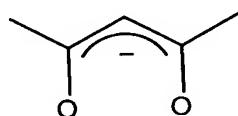
wherein n is 2 when the M is the element of Group 9 or n is 1 when the M is the element of Group 10, and

wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group.

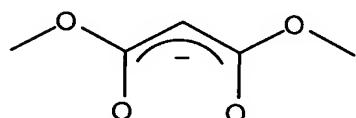
2. (Original) The organometallic complex according to claim 1, wherein the M is

iridium or platinum.

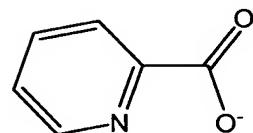
3. (Previously Presented) The organometallic complex according to claim 1, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9:



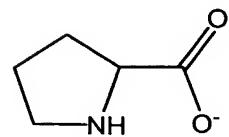
(Formula 3)



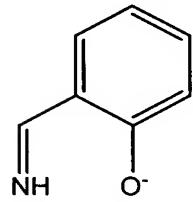
(Formula 4)



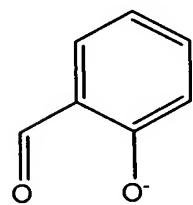
(Formula 5)



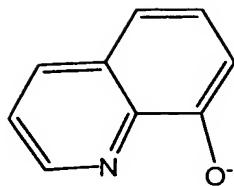
(Formula 6)



(Formula 7)



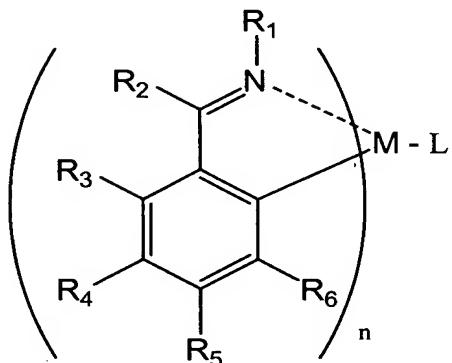
(Formula 8)



(Formula 9).

Claims 4-10 (Canceled)

11. (Previously Presented) A light emitting device comprising:
a first electrode over a substrate;
a light emitting layer comprising an organometallic complex represented by the following general formula 2, over the first electrode;



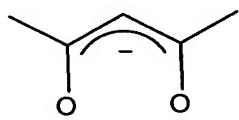
(Formula 2)

a second electrode over the light emitting layer,
wherein R₁ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group,
wherein R₂ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,
wherein each of R₃, R₄, R₅, and R₆ is identical with each other or different from each other, and is hydrogen, halogen, an alkyl group, an alkoxy group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,
wherein M is an element of Group 9 or an element of Group 10,
wherein n is 2 when the M is the element of Group 9 or n is 1 when the M is the element of Group 10, and

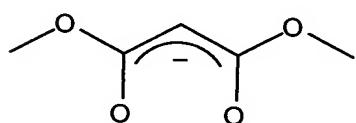
wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group.

12. (Previously Presented) The light emitting device according to claim 11, wherein the M is iridium or platinum.

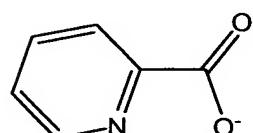
13. (Previously Presented) The light emitting device according to claim 11, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9:



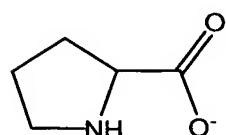
(Formula 3)



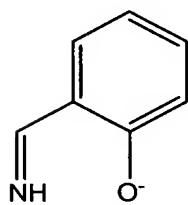
(Formula 4)



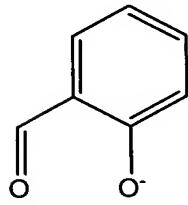
(Formula 5)



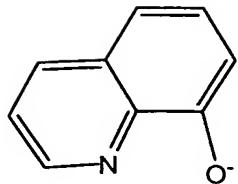
(Formula 6)



(Formula 7)



(Formula 8)



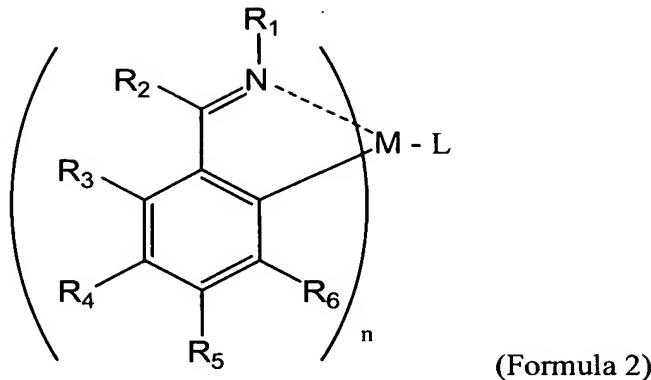
(Formula 9).

14. (Previously Presented) A light emitting device according to claim 11, wherein the light emitting device is incorporated into an electronic device selected from the group consisting of a video camera, a digital camera, a goggle-type display, a navigation system, a sound reproduction device, a laptop personal computer, a game machine, a mobile computer, a mobile phone, a portable game machine, an electronic book, and an image reproduction device.

15. (Previously Presented) A light emitting device according to claim 11, wherein a hole injection layer comprising a polymer material is formed adjacent to the light emitting layer.

16. (Currently Amended) A light emitting device according to claim 11, wherein a hole injection layer comprising a low molecular weight material is formed adjacent to the light emitting layer.

17. (Previously Presented) A light emitting device comprising:
a thin film transistor over a substrate;
an interlayer insulating film over the thin film transistor;
a first electrode electrically connected to the thin film transistor, over the interlayer insulating film;
a light emitting layer comprising an organometallic complex represented by the following general formula 2, over the first electrode;



a second electrode over the light emitting layer,

wherein R₁ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group,

wherein R₂ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

wherein each of R₃, R₄, R₅, and R₆ is identical with each other or different from each other, and is hydrogen, halogen, an alkyl group, an alkoxy group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

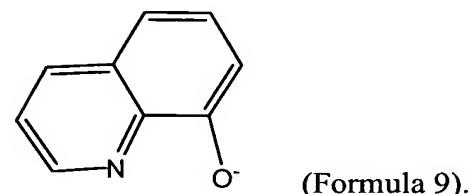
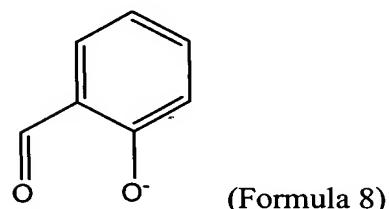
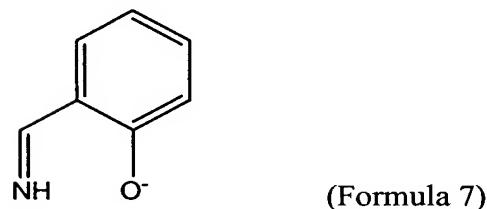
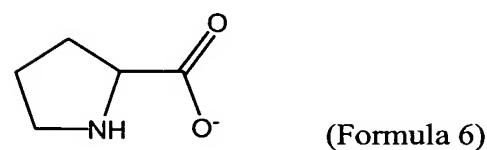
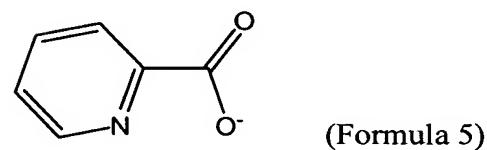
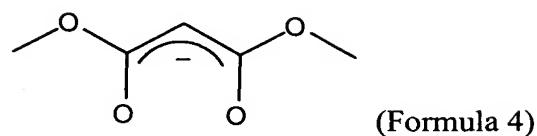
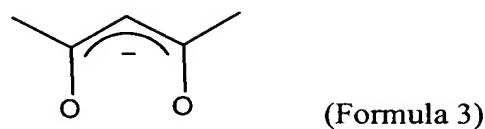
wherein M is an element of Group 9 or an element of Group 10,

wherein n is 2 when the M is the element of Group 9 or n is 1 when the M is the element of Group 10, and

wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group.

18. (Currently Amended) The organometallic complex light emitting device according to claim 17, wherein the M is iridium or platinum.

19. (Currently Amended) The organometallic complex light emitting device according to claim 17, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9:



20. (Previously Presented) A light emitting device according to claim 17, wherein the light emitting device is incorporated into an electronic device selected from the group consisting of a video camera, a digital camera, a goggle-type display, a navigation system, a sound reproduction device, a laptop personal computer, a game machine, a mobile computer,

a mobile phone, a portable game machine, an electronic book, and an image reproduction device.

21. (Previously Presented) A light emitting device according to claim 17, wherein a hole injection layer comprising a polymer material is formed adjacent to the light emitting layer.

22. (Currently Amended) A light emitting device according to claim 17, wherein a hole injection layer comprising a low molecular weight material is formed adjacent to the light emitting layer.